

An Essay About Time: The 'Passect Realm'

By Emilia Sameyn 04-02-2023

First of all, I'm not a scientist, I'm just an artist with some ideas, perhaps this essay will inspire people to think more philosophically or scientifically about what could be out there....

Maybe some people already had these ideas but I'm not aware of that.

Also there are many, many people like college professors, ect that know a lot more about space and time then I do, so yeah.

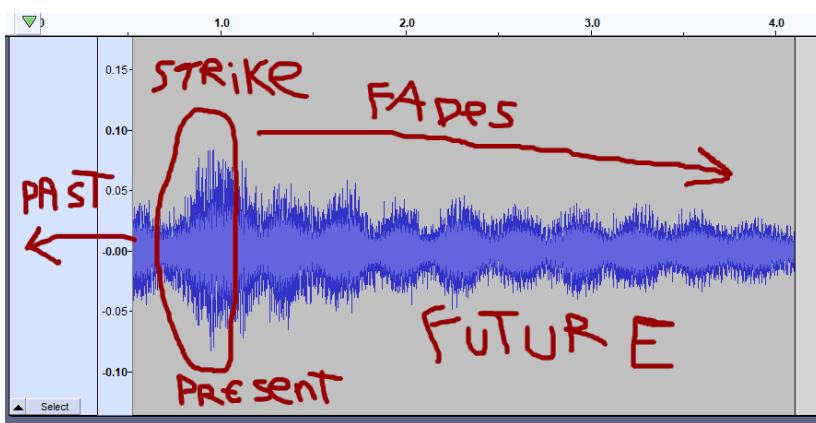
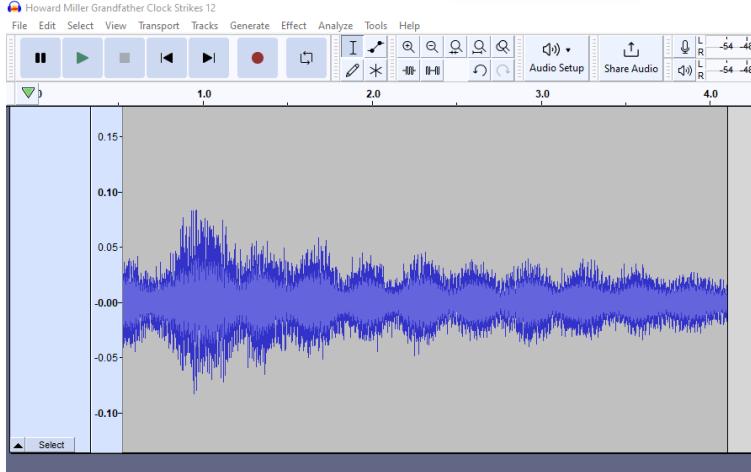
Anyway, here it goes:

1. The Ripple in a pond.

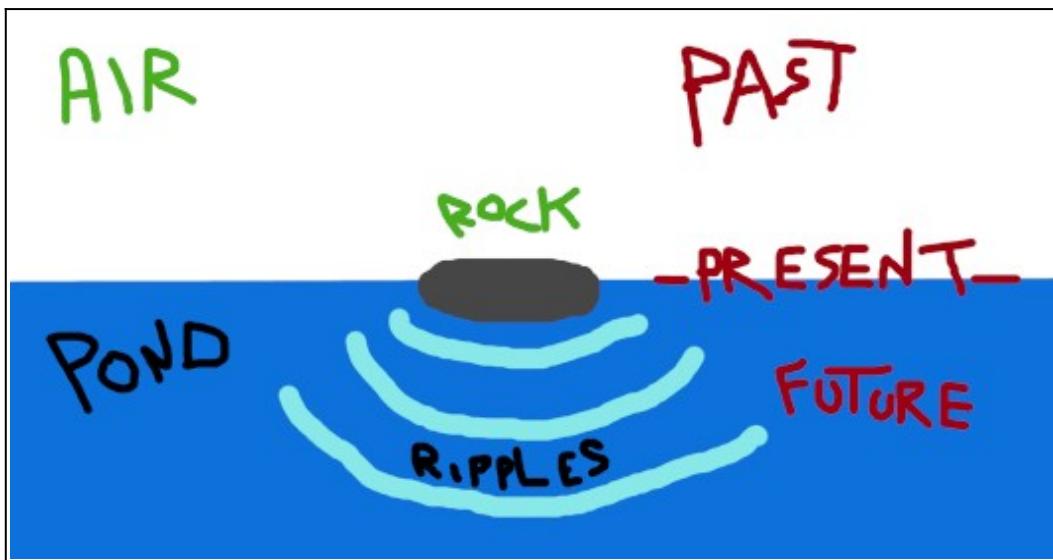
Time goes forward, or at least we move forward in time, unable to go backwards. Everything goes like this: 'cause', then 'effect'. Here is an example: I walk in a park, I trip over a bump in the road and I hurt my arm. My arm hurts. I could not have predicted I would fall. My arm hurting is because of the past. My arm hurts in the present because I fell in the recent past.

The pain will fade, but I might never forget it. Something happens in the present creating ripples in the future, but it does not create ripples in the past.

Another example is sound. Here we see a representation of sound waves in the sound editing program: Audacity. It is the sound of a clock striking, a 'bong' sound. The sound suddenly appears and then reverbs into the future fading away, but it does not reverb into the past.



Events happen and leave traces in the future, but they do not leave traces in the past, many events cannot be predicted, at least not with a 100 percent accuracy. It's like a rock hitting a pond. It leaves ripples in the water but not in the air. The ripples move in three dimensions, left, right, forward, backwards and downwards, but not upwards. The water is like the future, receiving the ripples, the air is like the past, no ripples move through the air, because of the event. The surface is like the present, where the impact happens.



2. The Passect Realm (just an idea)

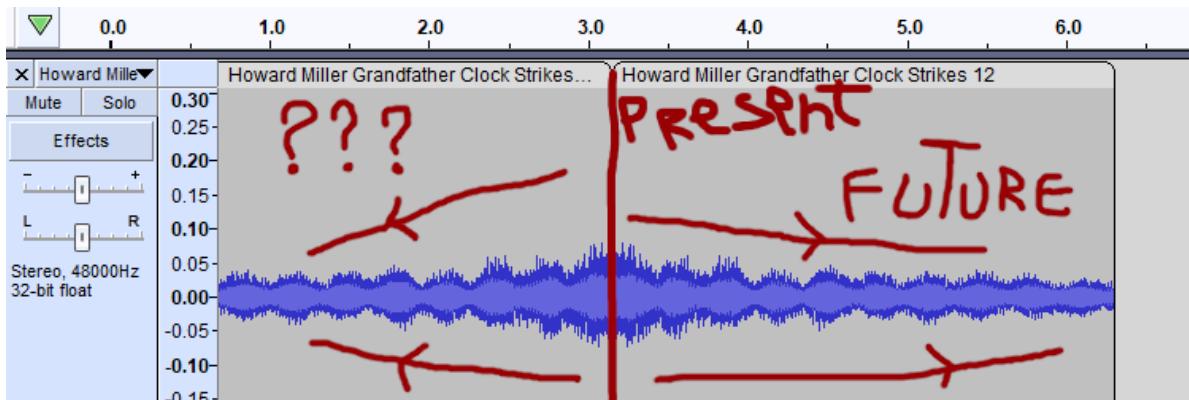
In the previous example we saw the empty air, like an empty past.

However, maybe, what if there was another space, another realm, where events ripple into the past? If we could see such realm we could see near future events fade into the present, perhaps like seeing a movie or hearing a sound in reverse, somehow.... Each cause has an effect, but maybe each cause has a passect; an echo from the future.

Measuring a passect would be predicting the near future with 100% accuracy.

We could see the flow of events as follows then: Passect -> Cause -> Effect

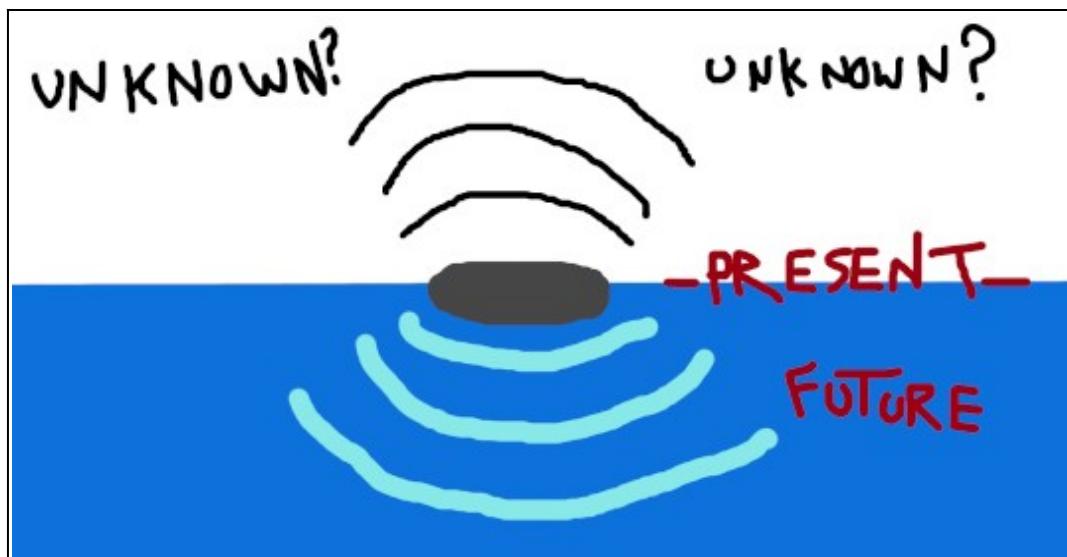
We would see events happening like this image from audacity:



In this image we see the same sound as previously: the strike of a clock. However I have cloned the sound and reversed the first half. The sound is 'mirrored' in time. It sounds the same played forwards as well as backwards. If there is a passect realm, we could see events happening like the sound in audacity, each event would somehow introduce itself before its happening, to then fade away into the future. Each event would 'fade into existence' at the same speed it 'fades out of existence'.

For example: If I could see the passect realm and If I go to the park I would know I will fall, I'm not sure if I could prevent it, but I would at least know it. When someone throws a rock in a pond, I perhaps would see the ripples into the water, signalling a rock will land there. When someone does a coin flip, they would always predict the outcome with a 100% accuracy. We would hear and see the echoes of future events. Perhaps, nothing would startle us any more. We could ask ourselves the question, do we want to live in a world where everything will be predicted?

Here we can see an analogy of the passect realm. The blue water is the future. The rock is the event, the surface is the present. The air in this case is the passect realm. We can see ripples going into the air, into the 'past'. The ripples signal the coming of the event, it shows us where the event will take place.



3. Spacetime

Space and time are one. Time can be seen as a fourth dimension. Gravity influences spacetime, this is called gravitational time dilation. (time goes a little bit slower near objects that are very heavy, like planets or suns.) This is scientific, it's what Einstein wrote about.

You can read about it on Wikipedia:

<https://en.wikipedia.org/wiki/Spacetime>

https://en.wikipedia.org/wiki/Gravitational_time_dilation

To illustrate this concept, spacetime is often presented as a fabric on which planets rest. Each object sinks, subsides a little into the fabric. In the following image we see the moon and earth, stretching spacetime a bit with their gravity.



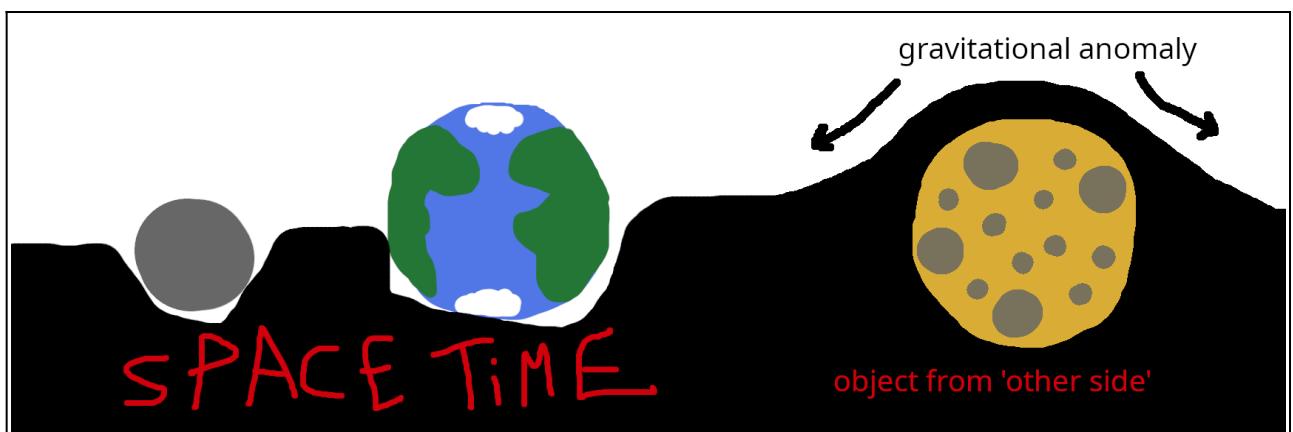
Now I'm going to speculate. What if spacetime really works like a fabric, what about the empty space above the fabric? Think back about the pond analogy. Would this empty space above the fabric be the passect realm? Do objects also sink in it or not? Maybe there is another realm like that, but maybe its not the same passect realm as in the previous chapter?

We see, heavy objects, laying on one side of the fabric, but would there be objects on 'the other side of the spacetime fabric'? If so, would they be in the passect realm, or in another realm (other universe or dimensions)?

These objects would probably be invisible to us, except for a gravitational anomaly, pushing things away, like a reverse gravity. Maybe our planets and suns push objects away on 'the other side of the space time fabric'?

Maybe some giant universal structure from 'the other side' drives things apart with its 'anti-gravity'. Perhaps this could be the dark energy that is expanding the universe?

What if we could visit the other side? What if we could harness antigravity and use it to defy gravity? Use it to create spaceships? Could we manipulate time using gravity and antigravity? Who knows.



I hope you enjoyed my theory. If you want to use it to theorize further on it, or for a fictional story, feel free to use it, I only ask of you that you credit my name and notify me.

Maybe my theories are just total pseudo-intellectual nonsense. But I hope at least I have inspired you to think about space and time. I highly recommend the The Fabric of the Cosmos 2011 documentary series with Brian Greene as it explains interesting concepts about space and time. It includes commentary by many physicists.

If you like the concept of 'predicting the future' there are some science fiction stories you might enjoy:

'Story of Your Life' a story by Ted Chiang 1998

'Arrival' a 2016 film (based on the story from Ted Chiang)

'Childhood's End' a book from 1953 by the British author Arthur C. Clarke.

Thank you for reading and until my next text,

Emilia Sameyn

05/02/2023